



PTO/SB/08A (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Submittal to the PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/791,855
Filing Date	March 4, 2004
First Named Inventor	Christine Ann Scales
Art Unit	2811
Examiner Name	Owens
Attorney Docket Number	AP973US

Sheet 1 of 12

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
R/H	1	US- 4,531,055	07-23-1985	Shepard et al.	
	2	US- 4,533,933	08-06-1985	Pellegrini et al.	
	3	US- 4,876,586	10-24-1989	Dyck et al.	
	4	US- 4,394,571	07-19-1983	Jurisson	
	5	US- 5,685,919	11-11-1997	Saito et al.	
	6	US- 5,625,729	08-29-1997	Brown	
	7	US- 4,857,973	08-15-1989	Yang et al.	
	8	US- 6,442,321	08-27-2002	Berini	
	9	US- 4,544,939	11-26-1985	Kosonocky et al.	
	10	US- 4,908,686	03-13-1990	Maserjian	
	11	US- 5,648,297	07-15-1997	Lin et al.	
R/H	12	US- 2004/0081398 A1	04-29-2004	Jette et al.	
	13	US- 6,178,275	01-23-2001	Nerses et al.	
		US-			
		US-			
		US-			

CLASS
SUB CLASS
257/448
257/455
257/451
250/216
136/259
385/31
257/73
385/130
257/452
257/451
438/92
385/37
385/14

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Country Code ² Number ³ Kind Code ⁴ (if known)				
R/H	14	GB 2 186 144	08-05-1987	PA Consulting S		

H04B 9/00

Examiner Signature	<i>R. Owens</i>	Date Considered	12/2/02
--------------------	-----------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 144B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/791,855
Filing Date	March 4, 2004
First Named Inventor	Christine Ann Scales
Art Unit	2811
Examiner Name	Dwens
Attorney Docket Number	AP973US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
DWO	15	ELABD et al. "Theory and Measurements of Photoresponse for Thin Film Pd2Si and PtSi Infrared Schottky-Barrier Detectors With Optical Cavity," RCA Review 43, pp. 569-589, 1982	
DWO	16	MERCER et al. "A Diffusion Model for the Internal Photoresponse of PtSi/p-Si Schottky Barrier Diodes," J. Appl. Phys. 65 (12), 15, June 1989, pp 5035-5042	
DWO	17	S. M. SZE, Physics of Semiconductor Devices, 2nd ed. Wiley, New York, 1981, p.262 and 291-292.	
DWO	18	DUBOZ et al. "Hot-electron Transport in Epitaxial CoSi2 Films," Physical Review B, Vol. 44, No. 15, 15 October 1991, pp 8061-8067	
DWO	19	WU et al. "Optical Properties of Epitaxial CoSi2/Si and CoSi2 Particles in Si from 0.062 to 2.76 eV," J. Appl. Phys. 71 (11), 1 June 1992, pp5601-5605.	
DWO	20	QUINN "Range of Excited Electrons in Metals," Physical Review Vol. 126, No. 4, May 15, 1962, pp 1453-1457.	
DWO	21	E. D. PALIK, Handbook of Optical Constants of Solids, Academic Press, Inc., Orlando, 1985.	
DWO	22	CHARBONNEAU et al. "Experimental Observation of Plasmon-Politon Waves Supported by a Thin Metal Film of Finite Width," vol. 25, no. 11, 2000, Optics Letters, pp. 844-846.	

Examiner Signature	<i>Dwens</i>	Date Considered	12/2/02
--------------------	--------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.